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Harmuth, Henning.
TRANSMISSION OF SIGNALS BY INTEGRATION OF
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Order from SLA \$1.60

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Trans. of Archiv der Elektrischen Übertragung
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DESCRIPTORS: *Signals, *Transmission, Coding,
*Integration, Pulse modulation, Probability, Signal-
to-noise ratio, Telegraph signals, Integrators, *Com-
munication theory.

With respect to susceptibility to noise and bandwidth,
pulse code modulation is the most favorable type of
modulation among those in use today. For the same
transmission capacity it requires, however, still eight
times the transmitting power of an ideal system. The
reason is that, broadly speaking, the transmitted sig-
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THE CALCULATION OF RIDGE WAVE GUIDES.
[1962] 12p. 4 refs.
Order from SLA \$1.60

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Trans. of Archiv der Elektrischen Übertragung (West Germany) 1955, v. 9, no. 4, p. 157-161.

DESCRIPTORS: *Waveguides, Electrical properties, Design.

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DESCRIPTORS: *Teletype systems, *Coding, *Trans-
formations (Mathematics), Matrix algebra, Data
transmission systems.

By a reference to a particular example the paper shows,
how to interpret and investigate representations of the
teleprinter alphabet into itself (privacy coding) as
linear vector transformations. A possibility of a tech-
nical realization of the chosen example is outlined and
proves to be very simple. (Author)

I. Henze, E.

(Research Methods--Com-
munication Theory. TT.
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CIA X-6996

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Sci - Electr
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Paul, Adolf K.
ACTIVE HIGH FREQUENCY SPECTROMETER FOR
IONOSPHERIC ECHO SOUNDING. III. DETERMINATION
OF THE REAL FROM THE VIRTUAL REFLECTION
HEIGHT, tr. by J. M. Sprecher. [May 61] [7]p.
Order from OTS or SLA \$1.10 62-24059

Trans. from Archiv der Elektrischen Übertragung (West
Germany) 1960, v. 14, no. 10.

DESCRIPTORS: *High frequency, *Spectrum analyzers,
*Atmospheric sounding, *Ionosphere, *Echo ranging,
*Electron density, Reflection.

(Earth Sciences--Atmosphere, TT, v. 9, no. 10)

62-24059

I. Paul, A. K.
II. Title: Determination ...
III. National Bureau of
Standards, Boulder,
Colo.

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